

Electronic packages

Electronic device assemblies with external leads and contacts either protectively enclosed in shells, or encapsulated or potted, along with designs for such assemblies, are indexed at this heading

See also related:

Contamination (electronics)
Electronic packaging materials
Electronic packaging process
Electronics
Integrated circuits
Printed circuit boards
Printed circuits
Semiconductor devices

Electronic packaging materials

Materials for enclosing electronic devices in protective shells or layers, and materials used to join, contact, or interconnect these device assemblies, are indexed here

See also narrower: Potting compositions

See also related:

Electronic packages
Electronic packaging process
Electronics

Electronic packaging process

Processes for enclosing electronic devices by materials for protection, attaching external leads or contacts, and assembling device packages are indexed here

See also related:

Contamination (electronics)
Electronic device fabrication
Electronic packages
Electronic packaging materials
Electronics
Embedding materials
Potting

Electronic polarizability

Valid heading during volumes 129-130 (July 1998-June 1999) only

See Polarizability, electronic

Electronic properties

See also narrower:

Electron affinity
Electronegativity
Electronic structure
Electron mobility
Electron temperature
Electrophilicity
Nucleophilicity

Electronic property

See Electronic properties

Electronic Raman scattering

See Raman spectra, electronic

Electronic Raman spectra

Valid heading during volumes 129-130 (July 1998-June 1999) only

See Raman spectra, electronic

Electronics

Studies relating only to broad aspects of this heading are indexed here. Studies relating to specific aspects, including properties, reactions, substances, phenomena, etc., are indexed at those headings. This heading is reserved for studies too broad or diffuse to be classified more specifically

See also narrower:

Microelectronics
Molecular electronics
Optoelectronics

See also related:

Computers
Current gain
Electrical engineering
Electric apparatus
Electric failure
Electricity
Electronic device fabrication
Electronic packages
Electronic packaging materials
Electronic packaging process
Figure of merit
Radiation hardness (apparatus)

Electronic screening

See also related:

Ions
Nuclear shielding
Plasma

Electronic specific heat

See Heat capacity, electronic

Electronic spin

See Electron spin

Electronic state

See also narrower:

Acceptor levels
Charge transfer state
Core level
Donor levels
Excited electronic state
Fermi level
Landau level
Localized electronic state
Singlet state
Triplet state

See also related:

Defect level
Electron correlation
Electronic transition
Spin state
Three-level atom model
Two-level atom model
Vibronic level

Electronic structure

See also narrower:

Atomic orbital
Bond energy
Bond order
Electron configuration
Electron correlation
Electron density
Electronic state
Hardness (electronic structure)

Molecular orbital

Valence

See also related:

Bond
Bound state
Density functional theory
Molecular structure
Nephelauxetic effect
Stereoelectronic effect
Surface state

Electronic transition

See also narrower:

Electronic excitation
Interband transition
Internal conversion
Intersystem crossing
Rydberg state transition
Singlet state transition
Subband transition
Triplet state transition

See also related:

Adiabatic potential
Auger process
Electronic energy transfer
Electronic state
Franck-Condon principle
Nonradiative transition
Radiative transition
UV absorption
UV and visible spectra
UV radiation
Vibronic transition

Electronic wave function

Valid heading during volumes 129-130 (July 1998-June 1999) only

See Wave function, electronic

Electron impact dissociation

See also related:

Electron impact excitation
Electron radiolysis

Electron impact excitation

See also related:

Electronic excitation
Electron impact dissociation
Electron impact ionization
Electron radiolysis
Vibrational excitation

Electron impact ionization

See also related:

Electron impact excitation
Ion-impact ionization
Positron impact ionization

Electron internal conversion

See also related:

Electron emission
Exotic particle internal conversion

Electron-ion collisions

Valid heading during volumes 126-130 (1997-June 1999) only

See

Electron collisions
electron-ion
Ionic collisions
electron-ion

Electron ionization mass spectra

See also related: Electron ionization mass spectrometry

Electron ionization mass spectrometry

See also related: Electron ionization mass spectra

Electron-ion recombination

See also related:

Electron capture
Electron-hole recombination
Radiative recombination

Electron irradiation

Valid heading during volumes 129-130 (July 1998-June 1999) only

See Electron beams, irradiation

Electron liquid

See also related:

Charge density wave
Conduction electrons
Electron bubble
Electron crystals
Electron gas
Electron-hole plasma
Fermi liquids
Luttinger liquids
Non-Fermi liquids
Superconductivity

Electron localization

See also narrower: Anderson localization

See also related:

Electron delocalization
Electron density
Electron traps
IGLO (molecular orbital)

Electron lone pair

See Lone-pair electrons

Electron microprobe analysis

See also related:

Electron beams
Electron microprobes

Electron microprobes

See also related:

Electron beams
Electron microprobe analysis

Electron microscopes

See also narrower:

Scanning electron microscopes
Transmission electron microscopes

See also related:

Atomic force microscopes
Electron beams
Electron detectors
Electron diffraction
Electron microscopy
Electron optics

Electron microscopy

The methodology of electron microscopy and techniques that utilize electron beams, as well as electron emission and tunneling, are indexed here

See also narrower:

Auger electron microscopy

Scanning electron microscopy

Transmission electron microscopy

See also related:

Electron beams
Electron diffraction
Electron microscopes
Electron optics

Electron mobility

See also related:

Conduction electrons
Electron transport
Hole mobility

Electron-molecule collisions

Valid heading during volumes 126-130 (1997-June 1999) only

See

Electron collisions
electron-mol.
Molecular collisions
electron-mol.

Electron momentum density

See also related: Momentum

Electron multipliers

See Photomultipliers

Electron nuclear double resonance

See ENDOR (electron nuclear double resonance)

Electroluminescence

See Cathodoluminescence

Electron optics

See also related:

Betatrions
Cathode ray tubes
Electron beams
Electron detectors
Electron diffraction
Electron microscopes
Electron microscopy
Electron spectrometers

Electron pair production

See Electron-positron pair

Electron paramagnetic resonance

See ESR (electron spin resonance)

Electron-phonon interaction

See also narrower: Electron-phonon scattering

See also related:

Conduction electrons
Jahn-Teller effect
Phonon
Polaron
Umklapp process
Vibronic coupling

Electron-phonon scattering

See also related:

Conduction electrons
Electron collisions
Phonon

Electron photodetachment

See also related:

Photoinduced intramolecular electron transfer
Photoionization

Electron photoemission spectra

See Photoelectron spectroscopy

Electron-positron colliders

See also related: Electron beams

Electron-positron pair

See also related:

Electron emission
Vacuum polarization

Electron probe microanalysis

See Electron microprobe analysis

Electron-proton colliders

See also related: Electron beams

Electron radiolysis

See also related:

Electron beams
Electron impact dissociation
Electron impact excitation

Electron scattering

See Electron collisions

Electron sources

See also narrower:

Cathodes
Electron tubes
Field emitters

See also related:

Electron accelerators
Electron emission

Electron spectrometers

See also related:

Electron emission spectroscopy
Electron optics
Emission spectrometers

Electron spin

See also narrower: Electron spin density

See also related:

ENDOR (electron nuclear double resonance)
Lamb shift
Magnetic ordering
Magnetic relaxation
Magnetic structure
Magnon
Nuclear spin
Spin gap
Spin Hamiltonian
Spin polarization
Spin reorientation transition
Spin splitting
Spin state
Spin trapping
Spin valves
Spin wave

Electron spin density

See also narrower: Spin density wave

See also related: Electron density

Electron spin-echo resonance

See Spin echo

Electron spin resonance

See ESR (electron spin resonance)

Electron spin resonance spectrometry

See ESR spectroscopy